

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the applications.

Listing of Claims:

1. (currently amended) A process for creating an ensemble filter for selecting documents, comprising:

identifying a set of documents for training;

identifying a first ~~coherent~~ set of documents from said training set of documents;

identifying a first profile corresponding to said first ~~coherent~~ set of documents;

identifying a second ~~coherent~~ set of documents and a remainder set of documents from said training set of documents using said first profile;

identifying at least one ~~coherent~~ set of documents from said remainder set of documents;

identifying at least one remainder profile corresponding to each of said identified ~~coherent~~ sets of documents from said remainder set of documents;

creating a first sub-filter using said first profile;

creating at least one remainder sub-filter using at least one of said remainder profiles; and

combining said first sub-filter with at least one remainder sub-filter to create an ensemble filter.

2. (currently amended) A process, as in claim 1, further comprising:

clustering said training set of documents to identify said first ~~coherent~~ set of documents.

3. (currently amended) A process, as in claim 1, further comprising:

clustering said training set of documents and selecting said largest cluster to identify said first ~~coherent~~ set of documents.

4. (original) A process, as in claim 1, further comprising:
cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

5. (currently amended) A process, as in claim 1, further comprising:
~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

6. (original) A process, as in claim 2, further comprising:
cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

7. (original) A process, as in claim 3, further comprising:
cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

8. (currently amended) A process, as in claim 2, further comprising:
~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

9. (currently amended) A process, as in claim 3, further comprising:
~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

10. (currently amended) A process for selecting documents from a stream of documents,
comprising:

identifying a set of documents for training;
identifying a first ~~coherent~~ set of documents from said training set of documents;
identifying a first profile corresponding to said first ~~coherent~~ set of documents;
identifying a second ~~coherent~~ set of documents and a remainder set of documents from said training set of documents using said first profile;
identifying at least one ~~coherent~~ set of documents from said remainder set of documents;
identifying at least one remainder profile corresponding to each of said identified ~~coherent~~ sets of documents from said remainder set of documents;
creating a first sub-filter using said first profile;
creating at least one remainder sub-filter using at least one of said remainder profiles;
combining said first sub-filter with at least one remainder sub-filter to create an ensemble filter; and
passing said stream of documents through said ensemble filter.

11. (currently amended) A process, as in claim 10, further comprising:
clustering said training set of documents to identify said first ~~coherent~~ set of documents.
12. (currently amended) A process, as in claim 10, further comprising:
clustering said training set of documents and selecting said largest cluster to identify said first ~~coherent~~ set of documents.
13. (original) A process, as in claim 10, further comprising:
cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.
14. (currently amended) A process, as in claim 10, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

15. (original) A process, as in claim 11, further comprising:

cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

16. (original) A process, as in claim 12, further comprising:

cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

17. (currently amended) A process, as in claim 11, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

18. (currently amended) A process, as in claim 12, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

19. (currently amended) A process for selecting documents from a database of documents, comprising:

identifying a set of documents for training;

identifying a first ~~coherent~~ set of documents from said training set of documents;

identifying a first profile corresponding to said first ~~coherent~~ set of documents;

identifying a second ~~coherent~~ set of documents and a remainder set of documents from said training set of documents using said first profile;

identifying at least one ~~coherent~~ set of documents from said remainder set of documents;

identifying at least one remainder profile corresponding to each of said identified ~~coherent~~ sets of documents from said remainder set of documents;

creating a first sub-filter using said first profile;

creating at least one remainder sub-filter using at least one of said remainder profiles;

combining said first sub-filter with at least one remainder sub-filter to create an ensemble filter; and

applying said ensemble filter to said database to select documents.

20. (currently amended) A process, as in claim 19, further comprising:

clustering said training set of documents to identify said first ~~coherent~~ set of documents.

21. (currently amended) A process, as in claim 19, further comprising:

clustering said training set of documents and selecting said largest cluster to identify said first ~~coherent~~ set of documents.

22. (original) A process, as in claim 19, further comprising:

cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

23. (currently amended) A process, as in claim 19, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

24. (original) A process, as in claim 20, further comprising:

cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

25. (original) A process, as in claim 21, further comprising:

cascading said first sub-filter and at least one remainder sub-filter to create at least part of said ensemble filter.

26. (currently amended) A process, as in claim 20, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.

27. (currently amended) A process, as in claim 21, further comprising:

~~multiplexing~~ multiplexing said first sub-filter with at least one remainder sub-filter to create at least part of said ensemble filter.